

ABSTRACT OF THE DISCLOSURE

The present invention provides a DNA fragment encoding alkaline liquefying α -amylase, recombinant DNA containing the DNA fragment, a transformed microorganism harboring the recombinant DNA, as well as a method for producing alkaline liquefying α -amylase using the transformant. The method of the present invention enables mass production of alkaline liquefying α -amylase useful as a detergent component.

The present invention is directed to a liquefying alkaline alpha-amylase, and a DNA encoding for the same and functional fragments thereof.